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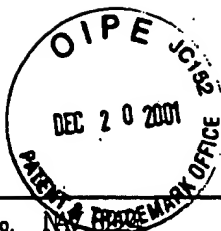
OMB No. 0651-0011

Atty. Docket No. <u>NAV 8224</u>				Serial No. <u>09/832,848</u>			
Applicant <u>Richard D. BUCHOLZ et al.</u>							
Filing Date <u>April 12, 2001</u>				Group <u>3737</u>			
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
520 ↑		5,222,499	06/29/93	Allen et al.	X	X	
		3,983,474	09/76	Kuipers	324	43B	
		4,182,312	01/80	Mushabac	433	68	
		4,341,220	07/82	Perry	606	130	
		4,608,977	09/86	Brown	128	303B	
		4,638,798	01/87	Sheldon et al.	128	303B	
		4,651,732	03/87	Frederick	128	303R	
		4,660,970	04/87	Ferrano	356	1	
		4,701,049	10/87	Beckman	356	1	
		4,705,395	11/87	Hageniers	356	1	
		4,705,401	11/87	Addleman	356	376	
		4,706,665	11/87	Gouda	128	303B	
		4,709,156	11/87	Murphy	250	560	
		4,723,544	02/88	Moore et al.	128	303B	
		4,733,969	03/88	Case et al.	356	375	
	4,737,032	04/88	Addleman et al.	356	376		
	4,743,770	05/88	Lee	250	560		
	4,743,771	05/88	Sacks et al.	250	560		
	4,745,290	05/88	Frankel et al.	250	560		
	4,750,487	06/88	Zanetti	128	303B		
520		4,753,528	06/88	Hines	356	1	
Examiner <u>ELBN: NANCY MERCADER</u>				Date Considered <u>5/31/2003</u>			
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Atty. Docket No. <u>NA 832</u>				Serial No. <u>09/832,848</u>			
Applicant <u>Richard D. BUCHOLZ et al.</u>							
Filing Date <u>April 12, 2001</u>				Group <u>3737</u>			
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<i>gdb</i>		4,761,072	08/88	Pryor	356	1	
		4,764,016	08/88	Johanasson	356	371	
		4,779,212	10/18/88	Levy	364	562	
		4,782,239	11/01/88	Hirose et al.	250	561	
		4,794,262	12/27/88	Sato et al.	250	560	
		4,791,934	12/20/88	Brunnett	606	130	
		4,809,694	03/07/89	Ferrara	128	303B	
		4,821,200	04/11/89	Oberg	364	474.24	
		4,822,163	04/18/89	Schmidt	356	1	
		4,825,091	04/25/89	Breyer et al.	250	560	
		4,829,373	05/09/89	Leberl et al.	358	88	
		4,836,778	06/06/89	Baumrind et al.	433	69	
		4,841,967	06/27/89	Chang et al.	128	303B	
		4,875,478	10/89	Chen	128	303B	
		4,931,056	06/90	Ghajar et al.	606	653R	
		4,945,914	08/90	Allen	128	653R	
		4,991,579	02/91	Allen	128	653R	
	<i>NA</i>		5,017,139	05/91	Mushabac	433	109
		5,016,639	05/91	Allen	128	653R	
		5,027,818	07/91	Bova et al.	128	653R	
	5,099,846	03/92	Hardy	606	130X		
Examiner <i>gdb</i>				Date Considered <u>5/31/2003</u>			

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		5,094,241	03/92	Allen	128	653.1	
		5,097,839	03/92	Allan	128	653.1	
		5,107,839	04/92	Houdek et al.	606	130X	
		5,119,817	06/92	Allen	128	653.1	
		5,142,930	09/92	Allen et al.	74	469	
		5,178,164	01/93	Allen	128	898	
		5,197,476	03/93	Nowacki et al.	128	66003	
		5,211,164	05/93	Allen	128	653.1	
		5,224,049	06/93	Mushabac	364	474.05	
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		Yukio Kosugi et al., "An Articulated Neurosurgical Navigation System Using MRI and CT Images," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 35, No. 2, pp. 147-152, Feb. 1988.					
		Ralph Mösger et al., "A New Imaging Method for Intraoperative Therapy Control in Skull-Base Surgery," <i>Neurosurg.</i> , Rev. 11, pp. 245-247, 1988.					
		David W. Roberts, M.D., et al., "A Frameless Stereotaxic Integration of Computerized Tomographic Imaging and the Operating Microscope," <i>J. Neurosurg.</i> , Vol. 65, pp. 545-9, Oct. 1986.					
		M. Peter Heilbrun, M.D., "Computed Tomography-Guided Stereotactic Systems," <i>Clinical Neurosurgery</i> , pp. 554-80, 1983.					
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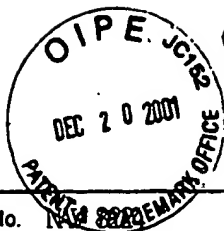
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Atty. Docket No. 144 882		Serial No. 09/832,848					
Applicant: Richard D. BUCHOLZ et al.							
Filing Date: April 12, 2001				Group 3737			
U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
ER		DES 291,246	08/04/87	Lower			
		DES 349,573	08/09/94	Bookwalter			
		DES 353,668	12/20/94	Banks			
		DES 357,534	04/18/95	Hayes			
		DES 359,557	06/20/95	Hayes			
		3,821,469	06/28/74	Whetstone et al.			
	9/16	3,963,028	06/15/76	Cooley et al.			
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		Document Number	Date	Country	Class	Sub Class	Translation Yes or No
ER		0 062 941	10/82	EPO	A61B	5/10	N/A
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
ER		Pixsys, Inc., "Alignment Procedure for the Pixsys Two-Emitter Offset Probe for the SAC GP-8-3d Sonic Digitizer" (undated), 3 unnumbered pages.					
		Pixsys, Inc., "Pixsys: 3-D Digitizing Accessories," August 1989, 6 unnumbered pages.					
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Examiner ER				Date Considered 5/31/2003			
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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
EAB	4,058,114	11/15/77	Soldner				
	4,068,156	01/10/78	Johnson et al.				
	4,117,337	09/26/78	Staats				
	4,209,254	06/24/80	Reymond				
	4,259,725	03/31/81	Andrews et al.				
	4,341,220	07/27/82	Perry				
	4,358,856	11/09/82	Stivender, et al.				
	4,368,556	01/18/83	Wanner et al.				
	4,396,945	08/02/83	DiMatteo et al.				
	4,398,540	08/16/83	Takemura, et al.				
EAB	4,407,298	10/01/83	Lentz, et al.				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
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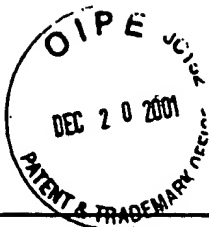
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Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
EAB		4,419,012	12/06/83	Stephenson			
		4,457,311	07/03/84	Sorenson et al.			
		4,465,069	08/14/84	Barbier, et al.			
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EAB ↓		4,649,504	3/10/87	Krouglicof et al.	/		
		4,651,732	3/24/87	Frederick			
		4,659,971	4/21/87	Suzuki et al.			
		4,672,306	6/9/87	Thong			
		4,673,352	6/16/87	Hansen			
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EAB ↓		Edward C. Benzel et al., "Magnetic Source Imaging: A Review of the Magnes System of Biomagnetic Technologies Incorporated," <i>Neurosurgery</i> , Vol 33, No.2, pp. 252-9, August 1993.					
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Gbb ↓		4,686,997	8/18/87	Oloff et al.	/		
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		4,701,049	10/20/87	Beckmann et al.			
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Gbb ↓		Richard D. Bucholz et al., "Image-Guided Surgical Techniques for Infections and Trauma of the Central Nervous System," <i>Neurosurgery Clinics of North America</i> , Vol. 7, No. 2, pp. 187-200, April 1996.					
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<i>ELP</i>		4,721,384	1/26/88	Dietrich et al.	/		
		4,721,388	1/26/88	Takagi et al.			
		4,722,056	1/26/88	Roberts et al.			
		4,727,565	2/23/88	Ericson			
		4,733,661	3/29/88	Palestrant			
		4,733,662	03/29/88	DeSatnick			
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GEB ↓		4,737,921	4/12/88	Goldwasser et al.			
		4,742,815	5/10/88	Ninan et al.			
		4,753,128	6/28/88	Bartlett et al.			
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GEB ↓		Christopher C. Gallen et al., "Intracranial Neurosurgery Guided by Functional Imaging," <i>Surg. Neurol.</i> , Vol. 42, pp. 523-30, January 3, 1994.					
		Robert L. Galloway, Jr., et al., "Interactive Image-Guided Neurosurgery," <i>IEEE TOMA</i> , Vol. 39, No. 12, pp. 1228-31, December 1992.					
		Edmund M. Glaser et al., "The Image-Combining Computer Microscope-an Interactive Instrument for Morphometry of the Nervous System," <i>Journal of Neuroscience Methods</i> , Vol. 8, pp. 17-32, 1983.					
		John G. Golfinos et al., "Clinical Use of a Frameless Stereotaxic Arm: results of 325 cases," <i>J. Neurosurg.</i> , Vol. 83, No. 3, pp. 197-205, Aug. 1995.					
		Camilo R. Gomez et al., "Transcranial Doppler Ultrasound Following Closed Head Injury: Vasospasm or Vasoparalysis?," <i>Surg. Neurol.</i> , Vol. 35, No. 1, pp. 30-5, January 1991.					
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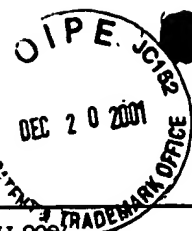
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Applicant Richard D. BUCHOLZ et al.							
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EJD		4,896,673	1/30/90	Rose et al.			
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		4,943,296	7/29/90	Funakubo et al.			
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<i>EAB</i>		4,961,422	10/9/90	Marchosky				
		4,982,188	1/1/91	Fodale et al.				
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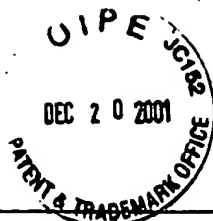
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gds		5,291,889	3/8/94	Kenet et al.			
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<i>CTB</i>		5,480,422	1/2/96	Ben-Haim			
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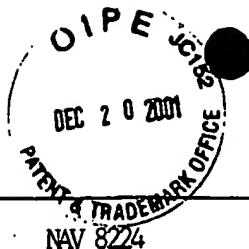
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OMB No. 0651-0011

Atty. Docket No. NAV 8224	Serial No. 09/832,848
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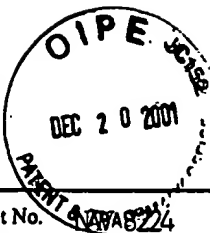
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/832,848
				Filing Date	April 12, 2001
				Confirmation Number	2372
				First Named Inventor	Bucholz et al.
				Group Art Unit	3737
				Examiner Name	E. Mantis Mercader
Sheet	1	of	1	Attorney Docket No.	Nav 8224

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>EM</i>	377	6,347,240	B1	Foley et al.	02-12-2002
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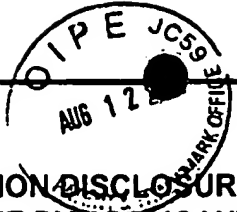
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				First Named Inventor	Bucholz et al.
				Group Art Unit	3737
				Examiner Name	E. Mantis Mercader
Sheet	1	of	1	Attorney Docket No.	NAV 8224

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
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